

CLAIMS

1. A condenser microphone mountable on a main PCB, the condenser microphone comprising:

5 a cylinder-shaped case having one side which is opened and the other side which is closed;

a first metal ring inserted into the case for an electrical connection;

a disk-shaped back plate having a sound hole to be connected electrically to the case through the first metal ring;

a ring-shaped spacer;

10 a cylinder-shaped insulating ring having an open top part and an open bottom part to provide an electrical insulation and a mechanical support;

a diaphragm inserted into the insulating ring and facing to the back plate while interposing the spacer between the diaphragm and the back plate;

15 a second metal ring for being connected electrically to the diaphragm and supporting mechanically the diaphragm; and

a PCB that is mounted with electronic components and is formed with a sound hole, the PCB being connected to the diaphragm and the back plate through the second metal ring and the case, the PCB including connection terminals connected to the outside.

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2. The condenser microphone according to claim 1, wherein the connecting terminals includes:

a first disk-shaped terminal formed in the inside; and

25 a second disk-shaped terminal formed to be apart from the first terminal in the outside and having gas exhaust grooves for exhausting gas generated in an adhering process using an SMD reflow method.

3. The condenser microphone according to claim 1, wherein the insulating ring includes uneven portions formed on one end thereof.

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